



RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/980,845B
Source: IFW16
Date Processed by STIC: 3/22/06

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/980,845B

DATE: 03/22/2006

TIME: 09:27:50

Input Set : D:\00-505 ST25.txt

Output Set: N:\CRF4\03222006\I980845B.raw

3 <110> APPLICANT: Handfield, Martin
 4 Brady, Jeannine
 5 Progulske-Fox, Ann
 6 Hillman, Jeffrey D.
 8 <120> TITLE OF INVENTION: Microbial Polynucleotides Expressed During Infection of a
 Host
 10 <130> FILE REFERENCE: 00-505B
 12 <140> CURRENT APPLICATION NUMBER: 09/980,845B
 C--> 13 <141> CURRENT FILING DATE: 2001-11-15
 15 <150> PRIOR APPLICATION NUMBER: 60/147,551
 16 <151> PRIOR FILING DATE: 1999-08-06
 18 <160> NUMBER OF SEQ ID NOS: 20
 20 <170> SOFTWARE: PatentIn version 3.3
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 849
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Actinobacillus actinomycetemcomitans
 28 <220> FEATURE:
 29 <221> NAME/KEY: misc_feature
 30 <222> LOCATION: (566)..(566)
 31 <223> OTHER INFORMATION: N stands for any nucleotide.
 33 <220> FEATURE:
 34 <221> NAME/KEY: misc_feature
 35 <222> LOCATION: (625)..(625)
 36 <223> OTHER INFORMATION: N stands for any nucleotide.
 38 <220> FEATURE:
 39 <221> NAME/KEY: misc_feature
 40 <222> LOCATION: (627)..(627)
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 43 <220> FEATURE:
 44 <221> NAME/KEY: misc_feature
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 46 <223> OTHER INFORMATION: N stands for any nucleotide.
 48 <220> FEATURE:
 49 <221> NAME/KEY: misc_feature
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 51 <223> OTHER INFORMATION: N stands for any nucleotide.
 53 <220> FEATURE:
 54 <221> NAME/KEY: misc_feature
 55 <222> LOCATION: (656)..(656)
 56 <223> OTHER INFORMATION: N stands for any nucleotide.
 58 <220> FEATURE:
 59 <221> NAME/KEY: misc_feature
 60 <222> LOCATION: (661)..(661)

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PATENT APPLICATION: US/09/980,845B

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Input Set : D:\00-505 ST25.txt
 Output Set: N:\CRF4\03222006\I980845B.raw

61 <223> OTHER INFORMATION: N stands for any nucleotide.
 63 <220> FEATURE:
 64 <221> NAME/KEY: misc_feature
 65 <222> LOCATION: (672)..(672)
 66 <223> OTHER INFORMATION: N stands for any nucleotide.
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 69 <221> NAME/KEY: misc_feature
 70 <222> LOCATION: (681)..(681)
 71 <223> OTHER INFORMATION: N stands for any nucleotide.
 73 <220> FEATURE:
 74 <221> NAME/KEY: misc_feature
 75 <222> LOCATION: (720)..(720)
 76 <223> OTHER INFORMATION: N stands for any nucleotide.
 78 <220> FEATURE:
 79 <221> NAME/KEY: misc_feature
 80 <222> LOCATION: (723)..(723)
 81 <223> OTHER INFORMATION: N stands for any nucleotide.
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 85 tggtcggttc gtccagaata tacagggttt tgccgtatc cgtttggag agttccgtcg 120
 88 ccagttcac ccgttgcgtc tccccccggg acagggtggt agaggattgc cccaaagcgaa 180
 90 tataagacaa gcccacgtca atcagggttt gcaatttacg cgcatttgcattt ggaatggcat 240
 92 cgaaaaactc ggcgcgtatct tccaccgtca tgtccacgtac ctgtatgtatg gtttacattt 300
 94 ttagcgat ttccagggtt tcgcgttgc aacgcatttgc ttatcattgg tcgcaaggca 360
 96 cgtacacatc gggcaggaag tgcatttcca ctttgcatttgc ggcgtcgccc tggcaggctt 420
 98 acagcgcccg ccgcgcacgt taaaactgaa acgccccggg ttataaccgc ggcacgggc 480
 100 tttcggtacg cggccaaaca attcgcgaat cggcgtgaat acgcccgtgt aagtggcccg 540
 W--> 102 gttggagegtt ggcgtgcgtc caatcnggtt ttggtaata tcaataacttt atcgaaaaat 600
 104 tccaaacattt taatggactt gtacngngaa acctcngcat ttctgcacn attaangcgt 660
 106 nttgtgcaat anggaacaaa ntgtcgtaa tcagttgatg atttacattt accggacacn 720
 108 ccngtgatgc aggtaaataa gcccacggga atgtctaaat tgacgtttt caggttggta 780
 110 ccggaagcgc cgaacaattt gacattttt ttcttatcaa gtgcgttacg tttttcggt 840
 112 atttcgatc 849
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 116 <211> LENGTH: 357
 117 <212> TYPE: DNA
 118 <213> ORGANISM: *Actinobacillus actinomycetemcomitans*
 120 <400> SEQUENCE: 2
 121 gatcaactaag ttgttcaatc ctttcgttgc ggaatctttt tctaaatatacg gtttatgttg 60
 123 cattgcgtta acgtctaaat cacctttaga cactgcgttgc tttggcaagg cgtatgtatc 120
 125 aataaaaactt atttcgttc taagttgtat ttttttttgc ccaatttgc tgcgtatgtatc 180
 127 gcccattgtt gttccggcc tggccatcgtt cccacttgc ttgttgcggg ggcttctgcc 240
 129 gcccgtttgtt ctgcccgttgc ggcttccgggtt tttttctt cattacaagc ccgttaaggc 300
 131 gaatacggag gctaatttttgc gacgcctaa taattttttt caagttcata aaagatc 357
 134 <210> SEQ ID NO: 3
 135 <211> LENGTH: 886
 136 <212> TYPE: DNA
 137 <213> ORGANISM: *Actinobacillus actinomycetemcomitans*
 140 <220> FEATURE:

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Input Set : D:\00-505 ST25.txt
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141 <221> NAME/KEY: misc_feature
142 <222> LOCATION: (554)..(554)
143 <223> OTHER INFORMATION: N stands for any nucleotide
145 <220> FEATURE:
146 <221> NAME/KEY: misc_feature
147 <222> LOCATION: (596)..(596)
148 <223> OTHER INFORMATION: N stands for any nucleotide
150 <400> SEQUENCE: 3
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153 gcgctcgcc aacgcattgg tagggcgacg ccgtggttt aaccaagcca aagcggaatg      120
155 gcgcttattt aagctaaaac accatcttgg cattcaggga ttttatccg ggctattcac      180
157 ttttgcctg cggtccgggt ccagattatt gccgacatca ttactgaaaa acatctatca      240
159 aacctttta agaaaataac atgatgaaat taaactgtat tttaaaata tccgaaattt      300
161 ccaccgcact tttcttagcg ggttgcctt caaattcaag tgccgcgacg caatcctctg      360
163 agcaggcgaa ttctgttacg gctgtgaatc ccactgcgggt gtacagtaag ccccgcaatt      420
165 tggataactt caacgattat gtgaatttct taaaaggtaa agcagcggca gaaggcgitt      480
167 ctgcccacgt attgaatgca caaaaataata ttaattatata tcaaaaatcc gtggatttgg      540
W--> 169 acgatcaaca agcnggcaga attcgcaage gtgatccaaa tgccccggcg atcatnaatt      600
171 ccgaacggca cgaccaatta cttaaatctgt gtattaacca agaataaaagt agacacggca      660
173 gaagcacgtt attggaaaca attgcgcag cttgaaaatg cttcaaaagaa attcagcgta      720
175 ccgaaaaatt atctgttagc cttgtggggc atggagagta gctttggcta ttatcagggc      780
177 aattacgatg tggatccac cttagccact cttgttttg acggacgccc tgaaggccta      840
179 ttcagcaaaag aattcatcgc cgccatggaa atgctacagc gcgatc      886
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183 <211> LENGTH: 507
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185 <213> ORGANISM: Actinobacillus actinomycetemcomitans
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189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (4)..(4)
191 <223> OTHER INFORMATION: N stands for any nucleotide.
193 <220> FEATURE:
194 <221> NAME/KEY: misc_feature
195 <222> LOCATION: (9)..(9)
196 <223> OTHER INFORMATION: N stands for any nucleotide.
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199 <221> NAME/KEY: misc_feature
200 <222> LOCATION: (21)..(21)
201 <223> OTHER INFORMATION: N stands for any nucleotide.
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204 <221> NAME/KEY: misc_feature
205 <222> LOCATION: (23)..(23)
206 <223> OTHER INFORMATION: N stands for any nucleotide.
208 <220> FEATURE:
209 <221> NAME/KEY: misc_feature
210 <222> LOCATION: (29)..(29)
211 <223> OTHER INFORMATION: N stands for any nucleotide.
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature

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PATENT APPLICATION: US/09/980,845B

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TIME: 09:27:50

Input Set : D:\00-505 ST25.txt
Output Set: N:\CRF4\03222006\I980845B.raw

215 <222> LOCATION: (32)..(32)
216 <223> OTHER INFORMATION: N stands for any nucleotide.
218 <220> FEATURE:
219 <221> NAME/KEY: misc_feature
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221 <223> OTHER INFORMATION: N stands for any nucleotide.
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <222> LOCATION: (39)..(39)
226 <223> OTHER INFORMATION: N stands for any nucleotide.
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229 <221> NAME/KEY: misc_feature
230 <222> LOCATION: (42)..(42)
231 <223> OTHER INFORMATION: N stands for any nucleotide.
233 <220> FEATURE:
234 <221> NAME/KEY: misc_feature
235 <222> LOCATION: (45)..(45)
236 <223> OTHER INFORMATION: N stands for any nucleotide.
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239 <221> NAME/KEY: misc_feature
240 <222> LOCATION: (49)..(49)
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243 <220> FEATURE:
244 <221> NAME/KEY: misc_feature
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246 <223> OTHER INFORMATION: N stands for any nucleotide.
248 <220> FEATURE:
249 <221> NAME/KEY: misc_feature
250 <222> LOCATION: (58)..(58)
251 <223> OTHER INFORMATION: N stands for any nucleotide.
253 <220> FEATURE:
254 <221> NAME/KEY: misc_feature
255 <222> LOCATION: (61)..(62)
256 <223> OTHER INFORMATION: N stands for any nucleotide.
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259 <221> NAME/KEY: misc_feature
260 <222> LOCATION: (65)..(65)
261 <223> OTHER INFORMATION: N stands for any nucleotide.
263 <220> FEATURE:
264 <221> NAME/KEY: misc_feature
265 <222> LOCATION: (69)..(69)
266 <223> OTHER INFORMATION: N stands for any nucleotide.
268 <220> FEATURE:
269 <221> NAME/KEY: misc_feature
270 <222> LOCATION: (73)..(73)
271 <223> OTHER INFORMATION: N stands for any nucleotide.
273 <220> FEATURE:
274 <221> NAME/KEY: misc_feature
275 <222> LOCATION: (97)..(97)

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/980,845B

DATE: 03/22/2006
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Input Set : D:\00-505 ST25.txt
 Output Set: N:\CRF4\03222006\I980845B.raw

276 <223> OTHER INFORMATION: N stands for any nucleotide.
 278 <220> FEATURE:
 279 <221> NAME/KEY: misc_feature
 280 <222> LOCATION: (102)..(102)
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 284 <221> NAME/KEY: misc_feature
 285 <222> LOCATION: (138)..(138)
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 288 <220> FEATURE:
 289 <221> NAME/KEY: misc_feature
 290 <222> LOCATION: (457)..(457)
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 293 <220> FEATURE:
 294 <221> NAME/KEY: misc_feature
 295 <222> LOCATION: (459)..(459)
 296 <223> OTHER INFORMATION: N stands for any nucleotide.
 298 <220> FEATURE:
 299 <221> NAME/KEY: misc_feature
 300 <222> LOCATION: (467)..(467)
 301 <223> OTHER INFORMATION: N stands for any nucleotide.
 303 <400> SEQUENCE: 4
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 306 nngcnagggc cancagctta ccttgcggc cggttcnctg tntgaaagcg ccattcgcaa 120
 308 agtgcgggtg gaggcggngaa aaattcactc acttggtgcg gaaggcaatg atgtgggatt 180
 310 gaaagcccat catggccgggt ggataaaagcg ttattttttgcggcaga tgccttcct 240
 312 gcgttaaatg cgttattaga cggaaatttt tcgtatcagg acacagcgtt ttacggcgag 300
 314 aattttgtgg tttccgcgtt gaatgaagat tccgtgtgtg tggcgatat ttatcaaatc 360
 316 ggctcctgcg tggtgaggt gtcgcagccg cgtaaacctt gtgagcgtt atcgaaaaat 420
 318 accaataatc cgaacacgca acaaaccgtg tacgctncng ctggtcnggc tggatgtgc 480
 320 cggtggttacc ccaaggggaa aattcaa 507
 323 <210> SEQ ID NO: 5
 324 <211> LENGTH: 1087
 325 <212> TYPE: DNA
 326 <213> ORGANISM: *Actinobacillus actinomycetemcomitans*
 329 <220> FEATURE:
 330 <221> NAME/KEY: misc_feature
 331 <222> LOCATION: (622)..(622)
 332 <223> OTHER INFORMATION: N stands for any nucleotide.
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 335 <221> NAME/KEY: misc_feature
 336 <222> LOCATION: (642)..(642)
 337 <223> OTHER INFORMATION: N stands for any nucleotide.
 339 <220> FEATURE:
 340 <221> NAME/KEY: misc_feature
 341 <222> LOCATION: (661)..(661)
 342 <223> OTHER INFORMATION: N stands for any nucleotide.
 344 <220> FEATURE:
 345 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/980,845B

DATE: 03/22/2006
TIME: 09:27:51

Input Set : D:\00-505 ST25.txt
Output Set: N:\CRF4\03222006\I980845B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 568,605,627,636,650,656,661,672,681,720,723
Seq#:3; N Pos. 594,596
Seq#:4; N Pos. 4,8,21,23,29,31,35,36,39,42,45,49,52,58,61,62,65,69,73,97
Seq#:4; N Pos. 102,138,457,459,467
Seq#:5; N Pos. 622,642,651,669,685,690,700
Seq#:6; N Pos. 609,614,651,685
Seq#:7; N Pos. 532,630,696,710,722,725
Seq#:8; N Pos. 538
Seq#:12; N Pos. 131,151,170,178,194,199,209
Seq#:18; Xaa Pos. 43,52,63,72,77

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/980,845B

DATE: 03/22/2006

TIME: 09:27:51

Input Set : D:\00-505 ST25.txt

Output Set: N:\CRF4\03222006\I980845B.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:540
M:341 Repeated in SeqNo=1
L:169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:540
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
M:341 Repeated in SeqNo=4
L:385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:600
M:341 Repeated in SeqNo=5
L:451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:600
M:341 Repeated in SeqNo=6
L:509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:480
M:341 Repeated in SeqNo=7
L:550 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:480
L:670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:120
M:341 Repeated in SeqNo=12
L:869 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:32
M:341 Repeated in SeqNo=18